



Prepared by the Defense Mapping Agency Topographic Center, Washington, D. C. Compiled in 1953 by photogrammetric methods and by reference to Iowa county highway maps, 1950. Aerial photographs 1949-1950. Map field checked 1954. Revised in 1976 by the U. S. Geological Survey from aerial photographs taken 1973.

Area covered by dashed light-blue pattern is subject to controlled inundation 100,000-foot grid based on low coordinate system, north zone. Location of geodetic control established by government agencies is shown on corresponding 1:250,000-scale Geodetic Control Diagram.

LEGEND

Figures in red denote approximate distances in miles between stars.

POPULATED PLACES.

Over 500,000
100,000 to 500,000
25,000 to 100,000
5,000 to 25,000
1,000 to 5,000
Less than 1,000

RAILROADS

Normal gauge
Narrow gauge
Landplane airport
International
State
County
Park or reservation

ROADS

Primary, all-weather, hard surface
Secondary, all-weather, hard surface
Light-duty, all-weather, hard or improved surface
Fair or dry weather, unimproved surface
Trail
Interchange
Sun Valley
Route markers: Interstate, U.S., State

BOUNDARIES

Landplane airport
Seaplane airport
Seaplane anchorage
Woods-brushwood
Mine
Landmark: School; Church; Other
Spot elevation in feet
Marsh or swamp
Intermittent or dry stream
Power line

Scale 1:250,000

0 5 10 15 20 25 30 Kilometers

0 5 10 15 20 25 30 Nautical Miles

CONTOUR INTERVAL 50 FEET
WITH SUPPLEMENTARY CONTOURS AT 25 FOOT INTERVALS

TRANSVERSE MERCATOR PROJECTION

BLACK NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 15

1975 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 6° 10' 00" WEST TO 6° 10' 00" EAST FOR THE CENTER OF THE WEST EDGE TO 4° 10' 00" WEST TO 4° 10' 00" EAST FOR THE CENTER OF THE EAST EDGE

FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092

LOCATION DIAGRAM

WATERLOO, IOWA

15-10 15-11 15-12 15-13 15-14 15-15 15-16 15-17 15-18 15-19 15-20 15-21 15-22 15-23 15-24 15-25 15-26 15-27 15-28 15-29 15-30 15-31 15-32 15-33 15-34 15-35 15-36 15-37 15-38 15-39 15-40 15-41 15-42 15-43 15-44 15-45 15-46 15-47 15-48 15-49 15-50 15-51 15-52 15-53 15-54 15-55 15-56 15-57 15-58 15-59 15-60 15-61 15-62 15-63 15-64 15-65 15-66 15-67 15-68 15-69 15-70 15-71 15-72 15-73 15-74 15-75 15-76 15-77 15-78 15-79 15-80 15-81 15-82 15-83 15-84 15-85 15-86 15-87 15-88 15-89 15-90 15-91 15-92 15-93 15-94 15-95 15-96 15-97 15-98 15-99 16-00 16-01 16-02 16-03 16-04 16-05 16-06 16-07 16-08 16-09 16-10 16-11 16-12 16-13 16-14 16-15 16-16 16-17 16-18 16-19 16-20 16-21 16-22 16-23 16-24 16-25 16-26 16-27 16-28 16-29 16-30 16-31 16-32 16-33 16-34 16-35 16-36 16-37 16-38 16-39 16-40 16-41 16-42 16-43 16-44 16-45 16-46 16-47 16-48 16-49 16-50 16-51 16-52 16-53 16-54 16-55 16-56 16-57 16-58 16-59 16-60 16-61 16-62 16-63 16-64 16-65 16-66 16-67 16-68 16-69 16-70 16-71 16-72 16-73 16-74 16-75 16-76 16-77 16-78 16-79 16-80 16-81 16-82 16-83 16-84 16-85 16-86 16-87 16-88 16-89 16-90 16-91 16-92 16-93 16-94 16-95 16-96 16-97 16-98 16-99 17-00 17-01 17-02 17-03 17-04 17-05 17-06 17-07 17-08 17-09 17-10 17-11 17-12 17-13 17-14 17-15 17-16 17-17 17-18 17-19 17-20 17-21 17-22 17-23 17-24 17-25 17-26 17-27 17-28 17-29 17-30 17-31 17-32 17-33 17-34 17-35 17-36 17-37 17-38 17-39 17-40 17-41 17-42 17-43 17-44 17-45 17-46 17-47 17-48 17-49 17-50 17-51 17-52 17-53 17-54 17-55 17-56 17-57 17-58 17-59 17-60 17-61 17-62 17-63 17-64 17-65 17-66 17-67 17-68 17-69 17-70 17-71 17-72 17-73 17-74 17-75 17-76 17-77 17-78 17-79 17-80 17-81 17-82 17-83 17-84 17-85 17-86 17-87 17-88 17-89 17-90 17-91 17-92 17-93 17-94 17-95 17-96 17-97 17-98 17-99 18-00 18-01 18-02 18-03 18-04 18-05 18-06 18-07 18-08 18-09 18-10 18-11 18-12 18-13 18-14 18-15 18-16 18-17 18-18 18-19 18-20 18-21 18-22 18-23 18-24 18-25 18-26 18-27 18-28 18-29 18-30 18-31 18-32 18-33 18-34 18-35 18-36 18-37 18-38 18-39 18-40 18-41 18-42 18-43 18-44 18-45 18-46 18-47 18-48 18-49 18-50 18-51 18-52 18-53 18-54 18-55 18-56 18-57 18-58 18-59 18-60 18-61 18-62 18-63 18-64 18-65 18-66 18-67 18-68 18-69 18-70 18-71 18-72 18-73 18-74 18-75 18-76 18-77 18-78 18-79 18-80 18-81 18-82 18-83 18-84 18-85 18-86 18-87 18-88 18-89 18-90 18-91 18-92 18-93 18-94 18-95 18-96 18-97 18-98 18-99 19-00 19-01 19-02 19-03 19-04 19-05 19-06 19-07 19-08 19-09 19-10 19-11 19-12 19-13 19-14 19-15 19-16 19-17 19-18 19-19 19-20 19-21 19-22 19-23 19-24 19-25 19-26 19-27 19-28 19-29 19-30 19-31 19-32 19-33 19-34 19-35 19-36 19-37 19-38 19-39 19-40 19-41 19-42 19-43 19-44 19-45 19-46 19-47 19-48 19-49 19-50 19-51 19-52 19-53 19-54 19-55 19-56 19-57 19-58 19-59 19-60 19-61 19-62 19-63 19-64 19-65 19-66 19-67 19-68 19-69 19-70 19-71 19-72 19-73 19-74 19-75 19-76 19-77 19-78 19-79 19-80 19-81 19-82 19-83 19-84 19-85 19-86 19-87 19-88 19-89 19-90 19-91 19-92 19-93 19-94 19-95 19-96 19-97 19-98 19-99 20-00 20-01 20-02 20-03 20-04 20-05 20-06 20-07 20-08 20-09 20-10 20-11 20-12 20-13 20-14 20-15 20-16 20-17 20-18 20-19 20-20 20-21 20-22 20-23 20-24 20-25 20-26 20-27 20-28 20-29 20-30 20-31 20-32 20-33 20-34 20-35 20-36 20-37 20-38 20-39 20-40 20-41 20-42 20-43 20-44 20-45 20-46 20-47 20-48 20-49 20-50 20-51 20-52 20-53 20-54 20-55 20-56 20-57 20-58 20-59 20-60 20-61 20-62 20-63 20-64 20-65 20-66 20-67 20-68 20-69 20-70 20-71 20-72 20-73 20-74 20-75 20-76 20-77 20-78 20-79 20-80 20-81 20-82 20-83 20-84 20-85 20-86 20-87 20-88 20-89 20-90 20-91 20-92 20-93 20-94 20-95 20-96 20-97 20-98 20-99 21-00 21-01 21-02 21-03 21-04 21-05 21-06 21-07 21-08 21-09 21-10 21-11 21-12 21-13 21-14 21-15 21-16 21-17 21-18 21-19 21-20 21-21 21-22 21-23 21-24 21-25 21-26 21-27 21-28 21-29 21-30 21-31 21-32 21-33 21-34 21-35 21-36 21-37 21-38 21-39 21-40 21-41 21-42 21-43 21-44 21-45 21-46 21-47 21-48 21-49 21-50 21-51 21-52 21-53 21-54 21-55 21-56 21-57 21-58 21-59 21-60 21-61 21-62 21-63 21-64 21-65 21-66 21-67 21-68 21-69 21-70 21-71 21-72 21-73 21-74 21-75 21-76 21-77 21-78 21-79 21-80 21-81 21-82 21-83 21-84 21-85 21-86 21-87 21-88 21-89 21-90 21-91 21-92 21-93 21-94 21-95 21-96 21-97 21-98 21-99 22-00 22-01 22-02 22-03 22-04 22-05 22-06 22-07 22-08 22-09 22-10 22-11 22-12 22-13 22-14 22-15 22-16 22-17 22-18 22-19 22-20 22-21 22-22 22-23 22-24 22-25 22-26 22-27 22-28 22-29 22-30 22-31 22-32 22-33 22-34 22-35 22-36 22-37 22-38 22-39 22-40 22-41 22-42 22-43 22-44 22-45 22-46 22-47 22-48 22-49 22-50 22-51 22-52 22-53 22-54 22-55 22-56 22-57 22-58 22-59 22-60 22-61 22-62 22-63 22-64 22-65 22-66 22-67 22-68 22-69 22-70 22-71 22-72 22-73 22-74 22-75 22-76 22-77 22-78 22-79 22-80 22-81 22-82 22-83 22-84 22-85 22-86 22-87 22-88 22-89 22-90 22-91 22-92 22-93 22-94 22-95 22-96 22-97 22-98 22-99 23-00 23-01 23-02 23-03 23-04 23-05 23-06 23-07 23-08 23-09 23-10 23-11 23-12 23-13 23-14 23-15 23-16 23-17 23-18 23-19 23-20 23-21 23-22 23-23 23-24 23-25 23-26 23-27 23-28 23-29 23-30 23-31 23-32 23-33 23-34 23-35 23-36 23-37 23-38 23-39 23-40 23-41 23-42 23-43 23-44 23-45 23-46 23-47 23-48 23-49 23-50 23-51 23-52 23-53 23-54 23-55 23-56 23-57 23-58 23-59 23-60 23-61 23-62 23-63 23-64 23-65 23-66 23-67 23-68 23-69 23-70 23-71 23-72 23-73 23-74 23-75 23-76 23-77 23-78 23-79 23-80 23-81 23-82 23-83 23-84 23-85 23-86 23-87 23-88 23-89 23-90 23-91 23-92 23-93 23-94 23-95 23-96 23-97 23-98 23-99 24-00 24-01 24-02 24-03 24-04 24-05 24-06 24-07 24-08 24-09 24-10 24-11 24-12 24-13 24-14 24-15 24-16 24-17 24-18 24-19 24-20 24-21 24-22 24-23 24-24 24-25 24-26 24-27 24-28 24-29 24-30 24-31 24-32 24-33 24-34 24-35 24-36 24-37 24-38 24-39 24-40 24-41 24-42 24-43 24-44 24-45 24-46 24-47 24-48 24-49 24-50 24-51 24-52 24-53 24-54 24-55 24-56 24-57 24-58 24-59 24-60 24-61 24-62 24-63 24-64 24-65 24-66 24-67 24-68 24-69 24-70 24-71 24-72 24-73 24-74 24-75 24-76 24-77 24-78 24-79 24-80 24-81 24-82 24-83 24-84 24-85 24-86 24-87 24-88 24-89 24-90 24-91 24-92 24-93 24-94 24-95 24-96 24-97 24-98 24-99 25-00 25-01 25-02 25-03 25-04 25-05 25-06 25-07 25-08 25-09 25-10 25-11 25-12 25-13 25-14 25-15 25-16 25-17 25-18 25-19 25-20 25-21 25-22 25-23 25-24 25-25 25-26 25-27 25-28 25-29 25-30 25-31 25-32 25-33 25-34 25-35 25-36 25-37 25-38 25-39 25-40 25-41 25-42 25-43 25-44 25-45 25-46 25-47 25-48 25-49 25-50 25-51 25-52 25-53 25-54 25-55 25-56 25-57 25-58 25-59 25-60 25-61 25-62 25-63 25-64 25-65 25-66 25-67 25-68 25-69 25-70 25-71 25-72 25-73 25-74 25-75 25-76 25-77 25-78 25-79 25-80 25-81 25-82 25-83 25-84 25-85 25-86 25-87 25-88 25-89 25-90 25-91 25-92 25-93 25-94 25-95 25-96 25-97 25-98 25-99 26-00 26-01 26-02 26-03 26-04 26-05 26-06 26-07 26-08 26-09 26-10 26-11 26-12 26-13 26-14 26-15 26-16 26-17 26-18 26-19 26-20 26-21 26-22 26-23 26-24 26-25 26-26 26-27 26-28 26-29 26-30 26-31 26-32 26-33 26-34 26-35 26-36 26-37 26-38 26-39 26-40 26-41 26-42 26-43 26-44 26-45 26-46 26-47 26-48 26-49 26-50 26-51 26-52 26-53 26-54 26-55 26-56 26-57 26-58 26-59 26-60 26-61 26-62 26-63 26-64 26-65 26-66 26-67 26-68 26-69 26-70 26-71 26-72 26-73 26-74 26-75 26-76 26-77 26-78 26-79 26-80 26-81 26-82 26-83 26-84 26-85 26-86 26-87 26-88 26-89 26-90 26-91 26-92 26-93 26-94 26-95 26-96 26-97 26-98 26-99 27-00 27-01 27-02 27-03 27-04 27-05 27-06 27-07 27-08 27-09 27-10 27-11 27-12 27-13 27-14 27-15 27-16 27-17 27-18 27-19 27-20 27-21 27-22 27-23 27-24 27-25 27-26 27-27 27-28 27-29 27-30 27-31 27-32 27-33 27-34 27-35 27-36 27-37 27-38 27-39 27-40 27-41 27-42 27-43 27-44 27-45 27-46 27-47 27-48 27-49 27-50 27-51 27-52 27-53 27-54 27-55 27-56 27-57 27-58 27-59 27-60 27-61 27-62 27-63 27-64 27-65 27-66 27-67 27-68 27-69 27-70 27-71 27-72 27-73 27-74 27-75 27-76 27-77 27-78 27-79 27-80 27-81 27-82 27-83 27-84 27-85 27-86 27-87 27-88 27-89 27-90 27-91 27-92 27-93 27-94 27-95 27-96 27-97 27-98 27-99 28-00 28-01 28-02 28-03 28-04 28-05 28-06 28-07 28-08 28-09 28-10 28-11 28-12 28-13 28-14 28-15 28-16 28-17 28-18 28-19 28-20 28-21 28-22 28-23 28-24 28-25 28-26 28-27 28-28 28-29 28-30 28-31 28-32 28-33 28-34 28-35 28-36 28-37 28-38 28-39 28-40 28-41 28-42 28-43 28-44 28-45 28-46 28-47 28-48 28-49 28-50 28-51 28-52 28-53 28-54 28-55 28-56 28-57 28-58 28-59 28-60 28-61 28-62 28-63 28-64 28-65 28-66 28-67 28-68 28-69 28-70 28-71 28-72 28-73 28-74 28-75 28-76 28-77 28-78 28-79 28-80 28-81 28-82 28-83 28-84 28-85 28-86 28-87 28-88 28-89 28-90 28-91 28-92 28-93 28-94 28-95 28-96 28-97 28-98 28-99 29-00 29-01 29-02 29-03 29-04 29-05 29-06 29-07 29-08 29-09 29-10 29-11 29-12 29-13 29-14 29-15 29-16 29-17 29-18 29-19 29-20 29-21 29-22 29-23 29-24 29-25 29-26 29-27 29-28 29-29 29-30 29-31 29-32 29-33 29-34 29-35 29-36 29-37 29-38 29-39 29-40 29-41 29-42 29-43 29-44 29-45 29-46 29-47 29-48 29-49 29-50 29-51 29-52 29-53 29-54 29-55 29-56 29-57 29-58 29-59 29-60 29-61 29-62 29-63 29-64 29-65 29-66 29-67 29-68 29-69 29-70 29-71 29-72 29-73 29-74 29-75 29-76 29-77 29-78 29-79 29-80 29-81 29-82 29-83 29-84 29-85 29-86 29-87 29-88 29-89 29-90 29-91 29-92 29-93 29-94 29-95 29-96 29-97 29-98 29-99 30-00 30-01 30-02 30-03 30-04 30-05 30-06 30-07 30-08 30-09 30-10 30-11 30-12 30-13 30-14 30-15 30-16 30-17 30-18 30-19 30-20 30-21 30-22 30-23 30-24 30-25 30-26 30-27 30-28 30-29 30-30 30-31 30-32 30-33 30-34 30-35 30-36 30-37 30-38 30-39 30-40 30-41 30-42 30-43 30-44 30-45 30-46 30-47 30-48 30-49 30-50 30-51 30-52 30-53 30-54 30-55 30-56 30-57 30-58 30-59 30-60 30-61 30-62 30-63 30-64 30-65 30-66 30-67 30-68 30-69 30-70 30-71 30-72 30-73 30-74 30-75 30-76 30-77 30-78 30-79 30-80 30-81 30-82 30-83 30-84 30-85 30-86 30-87 30-88 30-89 30-90 30-91 30-92 30-93 30-94 30-95 30-96 30-97 30-98 30-99 31-00 31-01 31-02 31-03 31-04 31-05 31-06 31-07 31-08 31-09 31-10 31-11 31-12 31-13 31-14 31-15 31-16 31-17 31-18 31-19 31-20 31-21 31-22 31-23 31-24 31-25 31-26 31-27 31-28 31-29 31-30 31-31 31-32 31-33 31-34 31-35 31-36 31-37 31-38 31-39 31-40 31-41 31-42 31-43 31-44 31-45 31-46 31-47 31-48 31-49 31-50 31-51 31-52 31-53 31-54 31-55 31-56 31-57 31-58 31-59 31-60 31-61 31-62 31-63 31-64 31-65 31-66 31-67 31-68 31-69 31-70 31-71 31-72 31-73 31-74 31-75 31-76 31-77 31-78 31-79 31-80 31-81 31-82 31-83 31-84 31-85 31-86 31-87 31-88 31-89 31-90 31-91 31-92 31-93 31-94 31-95 31-96 31-97 31-98 31-99 32-00 32-01 32-02 32-03 32-04 32-05 32-06 32-07 32-08 32-09 32-10 32-11 32-12 32-13 32-14 32-15 32-16 32-17 32-18 32-19 32-20 32-21 32-22 32-23 32-24 32-25 32-26 32-27 32-28 32-29 32-30 32-31 32-32 32-33 32-34 32-35 32-36 32-37 32-38 32-39 32-40 32-41 32-42 32-43 32-44 32-45 32-46 32-47 32-48 32-49 32-50 32-51 32-52 32-53 32-54 32-55 32-56 32-57 32-58 32-59 32-60 32-61 32-62 32-63 32-64 32-65 32-66 32-67 32-68 32-69 32-70 32-71 32-72 32-73 32-74 32-75 32-76 32-77 32-78 32-79 32-80 32-81 32-82 32-83 32-84 32-85 32-86 32-87 32-88 32-89 32-90 32-91 32-92 32-93 32-94 32-95 32-96 32-97 32-98 32-99 33-00 33-01 33-02 33-03 33-04 33-05 33-06 33-07 33-08 33-09 33-10 33-11 33-12 33-13 33-14 33-15 33-16 33-17 33-18 33-19 33-20 33-21 33-22 33-23 33-24 33-25 33-26 33-27 33-28 33-29 33-30 33-31 33-32 33-33 33-34 33-35 33-36 33-37 33-38 33-39 33-40 33-41 33-42 33-43 33-44 33-45 33-46 33-47 33-48 33-49 33-50 33-51 33-52 33-53 33-54 33-55 33-56 33-57 33-58 33-59 33-60 33-61 33-62 33-63 33-64 33-65 33-66 33-67 33-68 33-69 33-70 33-71